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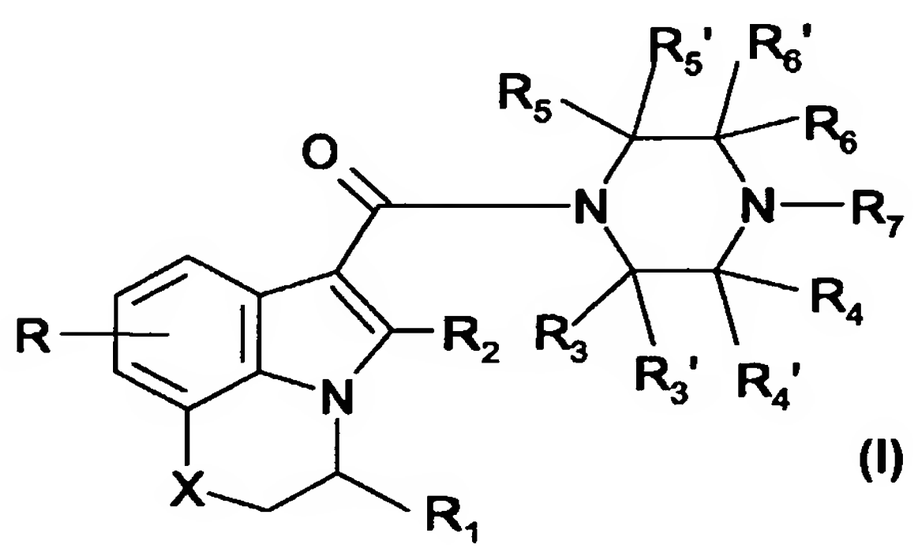
(54) Title: TRICYCLIC 1-[(3-INDOL-3-YL)CARBONYL] PIPERAZINE DERIVATIVES AS CANNABINOID CB1 RECEPTOR AGONISTS




(I)

(57) Abstract: The invention relates to tricyclic 1-[(indol-3-yl)carbonyl]piperazine derivative having the general Formula (I) wherein X is $CH_2$, O or S; R represents 1-3 substituents independently selected from H, $(C_{1-4})$alkyl, $(C_{1-4})$alkyloxy and halogen; $R_1$ is $(C_{5-8})$cycloalkyl; $R_2$ is H or $(C_{1-4})$alkyl; $R_3$, $R_3'$, $R_4$' $R_4$', $R_5$, $R_5$' and $R_6$' are independently hydrogen or $(C_{1-4})$-alkyl, optionally substituted with $(C_{1-4})$alkyloxy, OH or halogen; $R_6$ is hydrogen or $(C_{1-4})$alkyl, optionally substituted with $(C_{1-4})$alkyloxy, OH or halogen; or $R_6$ forms together with $R_7$a 4-7 membered saturated heterocyclic ring, optionally containing a further heteroatom selected from O and S; $R_7$ forms together with $R_6$ a 4-7 membered saturated heterocydic ring, optionally containing a further heteroatom selected from O and S; or $R_7$ is H, $(C_{1-4})$alkyl or $(C_{3-5})$cycloalkyl, the alkyl groups being optionally substituted with OH, halogen or $(C_{1-4})$alkyloxy; or a pharmaceutically acceptable salt thereof. The invention also relates to pharmaceutical compositions comprising said tricyclic 1-[(indol-3-yl)carbonyl]piperazine derivatives, and to the use of these derivatives in the treatment of pain, such as peri-operative pain, chronic pain neuropathic pain, cancer pain, and pain and spasticity associated with multiple sclerosis.

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